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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/924,647

DATE: 04/11/2002  
TIME: 13:51:26

Input Set : A:\P1219P3.txt  
Output Set: N:\CRF3\04112002\I924647.raw

3 <110> APPLICANT: Adams, Sean  
4 Goddard, Audrey  
5 Gurney, Austin L  
6 Stewart, Timothy A.  
7 Tomlinson, Elizabeth  
8 Yu, Xing Xian  
10 <120> TITLE OF INVENTION: FIBROBLAST GROWTH FACTOR-19 (FGF-19) NUCLEIC ACIDS AND  
11 POLYPEPTIDES AND METHODS FOR THE TREATMENT OF OBESITY  
12 AND RELATED DISORDERS  
14 <130> FILE REFERENCE: P1219P3  
16 <140> CURRENT APPLICATION NUMBER: US 09/924,647  
C-7> 17 <141> CURRENT FILING DATE: 2002-04-01  
19 <150> PRIOR APPLICATION NUMBER: US 60/066,840  
20 <151> PRIOR FILING DATE: 1997-11-25  
22 <150> PRIOR APPLICATION NUMBER: US 09/767,609  
23 <151> PRIOR FILING DATE: 2001-01-22  
25 <150> PRIOR APPLICATION NUMBER: US 09/158,342  
26 <151> PRIOR FILING DATE: 1998-09-21  
28 <150> PRIOR APPLICATION NUMBER: PCT/US98/25190  
29 <151> PRIOR FILING DATE: 1998-11-25  
31 <150> PRIOR APPLICATION NUMBER: US 09/522,342  
32 <151> PRIOR FILING DATE: 2000-03-09  
34 <150> PRIOR APPLICATION NUMBER: US 09/284,663  
35 <151> PRIOR FILING DATE: 1999-04-15  
37 <150> PRIOR APPLICATION NUMBER: PCT/US99/20594  
38 <151> PRIOR FILING DATE: 1999-09-08  
40 <150> PRIOR APPLICATION NUMBER: PCT/US99/21090  
41 <151> PRIOR FILING DATE: 1999-09-15  
43 <150> PRIOR APPLICATION NUMBER: PCT/US99/30999  
44 <151> PRIOR FILING DATE: 1999-12-20  
46 <150> PRIOR APPLICATION NUMBER: PCT/US00/04414  
47 <151> PRIOR FILING DATE: 2000-02-22  
49 <160> NUMBER OF SEQ ID NOS: 20  
51 <210> SEQ ID NO: 1  
52 <211> LENGTH: 2137  
53 <212> TYPE: DNA  
54 <213> ORGANISM: Homo sapiens  
56 <400> SEQUENCE: 1  
57 gctcccgagcc aagaacctcg ggccgcgtgc gcgggtgggaa ggagttcccc 50  
59 gaaacccggc cgctaagcga ggcctcctcc tcccgcaagat ccgaacggcc 100  
61 tgggcgggggt caccccggtc gggacaagaa gccgcggcct gcctgcccgg 150  
63 gccccgggag ggggctgggg ctggggccgg aggccgggtg tgagtgggtg 200  
65 tgtgcgggggg gcggaggctt gatgcaatcc cgataagaaa tgctcggtg 250

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67 tctggggcac ctaccggctgg ggccccgttaag gcgcgtactat ataaggctgc 300  
 69 cggccccggag ccggccgcgc gtcagagcag gagegcgtcg tccaggatct 350  
 71 aggccacga ccatcccaac ccggcaactca cagccccgcga ggcgcattccg 400  
 73 gtcggccggcc agccctccgc accccccatcg ccggagactgc gccgagagcc 450  
 75 ccaggggaggt gccatgcggga ggggggtgtgt ggtgggtccac gtatggatcc 500  
 77 tggccggccct ctggctggcc gtggccgggc gccccctcgc ctctccggac 550  
 79 gcccccccccc acgtgcacta cggctggggc gacccccatcc gcctgcggca 600  
 81 cctgtacacc tccggcccccc acgggctctc cagctgttcc ctgcgcacatcc 650  
 83 gtggccgacgg cgtcggtggac tgcgcggcggg gccagagcgc gcacaggttt 700  
 85 ctggagatca aggcagtgcg tctgcggacc gtggccatca agggcgtgca 750  
 87 cagcgtgcgg tacctctgca tggggccgcga cggcaagatg caggggtgtc 800  
 89 ttcaagtactc ggaggaagac tgtgttccg aggaggagat cggcccaagat 850  
 91 ggctacaatg tgttaccgcgc cgagaagcac cgcctcccg tctccctgag 900  
 93 cagtgcacaa cagcggcagc tgtacaagaaa cagaggctt cttccactct 950  
 95 ctcatttcct gccccatgcg cccatggtcc cagaggagcc tgaggacctc 1000  
 97 aggggcccact tggaatctga catgttctctc tggcccttgg agaccgacag 1050  
 99 catggaccca tttgggcttg tcaccggact ggaggccgtg aggagtccca 1100  
 101 gctttgagaa gtaactgaga ccatgcccgg gcctcttcac tgctgccagg 1150  
 103 ggctgtggta cctgcagcgt gggggacgtg ctcttacaag aacagtctgt 1200  
 105 agtccacgtt ctgttttagct ttaggaagaa acatctagaa gttgtacata 1250  
 107 ttccagagttt tccattggca gtgcgcgtt ctgcgcataa gacttgtctg 1300  
 109 atcataaacat tgtaagccctg tagcttgcgc agctgcgtcc tggggccccc 1350  
 111 ttctgtctccc tcgagggttgc tggacaagct gtcgcactgt ctgcgttctg 1400  
 113 ctgtaaatacc tccatgcgt gggaaactcac ttcccttggg aaaattctta 1450  
 115 tgtcaagctg aaatttctcta attttttctc atcacttccc caggagcgc 1500  
 117 cagaagacag gcagtagttt taatttcagg aacaggtgat ccactctgt 1550  
 119 aaacagcagg taaatttcac tcaaccccat gtgggaattt atcttatatct 1600  
 121 ctacttccag ggaccatttg cccttcccaa atccctccag gccaactgt 1650  
 123 actggagcag gcatggccca ccaggttca gggatgggg aagccctggag 1700  
 125 ccccactcca gcccctggac aacttgagaa ttccccctga gcccaggttct 1750  
 127 gtcatggatg ctgttctgtg aataacttgc tgcgtccgggt tcacccgtt 1800  
 129 ccatctccca gcccacccagg cctctgcggca ctcacatgc ctccccatgg 1850  
 131 atttggggct cccaggcccccc ccacccatgt tcaacctgtca ttcttggtc 1900  
 133 ~~aaaaatcagg~~ ~~aaaagaaaaag~~ ~~attttgaagac~~ ~~ccaaatgtttt~~ ~~gtcaataact~~ 1950  
 135 tgctgtgtgg aaggcgggg ggaagaccta gaaccctttt cccagactt 2000  
 137 ggttttccaa catgatattt atgagtaatt tattttgtt tgatcatctc 2050  
 139 ttattttctt acattatata tgcccccaaa ttatattttat gtatgtaaat 2100  
 141 gaggtttgtt ttgtatattt aaatggagtt tgtttgt 2137  
 143 <210> SEQ ID NO: 2  
 144 <211> LENGTH: 216  
 145 <212> TYPE: PRT  
 146 <213> ORGANISM: Homo sapiens  
 148 <400> SEQUENCE: 2  
 149 Met Arg Ser Gly Cys Val Val Val His Val Trp Ile Leu Ala Gly  
 150 1 5 10 15  
 152 Leu Trp Leu Ala Val Ala Gly Arg Pro Leu Ala Phe Ser Asp Ala  
 153 20 25 30  
 155 Gly Pro His Val His Tyr Gly Trp Gly Asp Pro Ile Arg Leu Arg  
 156 35 40 45

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158 His Leu Tyr Thr Ser Gly Pro His Gly Leu Ser Ser Cys Phe Leu  
159 50 55 60  
161 Arg Ile Arg Ala Asp Gly Val Val Asp Cys Ala Arg Gly Gln Ser  
162 65 70 75  
164 Ala His Ser Leu Leu Glu Ile Lys Ala Val Ala Leu Arg Thr Val  
165 80 85 90  
167 Ala Ile Lys Gly Val His Ser Val Arg Tyr Leu Cys Met Gly Ala  
168 95 100 105  
170 Asp Gly Lys Met Gln Gly Leu Leu Gln Tyr Ser Glu Glu Asp Cys  
171 110 115 120  
173 Ala Phe Glu Glu Glu Ile Arg Pro Asp Gly Tyr Asn Val Tyr Arg  
174 125 130 135  
176 Ser Glu Lys His Arg Leu Pro Val Ser Leu Ser Ser Ala Lys Gln  
177 140 145 150  
179 Arg Gln Leu Tyr Lys Asn Arg Gly Phe Leu Pro Leu Ser His Phe  
180 155 160 165  
182 Leu Pro Met Leu Pro Met Val Pro Glu Glu Pro Glu Asp Leu Arg  
183 170 175 180  
185 Gly His Leu Glu Ser Asp Met Phe Ser Ser Pro Leu Glu Thr Asp  
186 185 190 195  
188 Ser Met Asp Pro Phe Gly Leu Val Thr Gly Leu Glu Ala Val Arg  
189 200 205 210  
191 Ser Pro Ser Phe Glu Lys  
192 215  
194 <210> SEQ ID NO: 3  
195 <211> LENGTH: 26  
196 <212> TYPE: DNA  
197 <213> ORGANISM: Artificial Sequence  
199 <220> FEATURE:  
200 <223> OTHER INFORMATION: Primer\_bind  
202 <400> SEQUENCE: 3  
203 atccggccag atggctacaa tgtgtta 26  
205 <210> SEQ ID NO: 4  
206 <211> LENGTH: 22  
207 <212> TYPE: DNA  
208 <213> ORGANISM: Artificial Sequence  
210 <220> FEATURE:  
211 <223> OTHER INFORMATION: Primer\_bind  
213 <400> SEQUENCE: 4  
214 ccagtccgggt gacaagccca aa 22  
216 <210> SEQ ID NO: 5  
217 <211> LENGTH: 42  
218 <212> TYPE: DNA  
219 <213> ORGANISM: Artificial Sequence  
221 <220> FEATURE:  
222 <223> OTHER INFORMATION: Synthetic oligonucleotide probe  
224 <400> SEQUENCE: 5  
225 gcctccgggt ctccctgagc agtgccaaac agcggcagtg ta 42  
227 <210> SEQ ID NO: 6

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Input Set : A:\P1219P3.txt  
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228 <211> LENGTH: 19  
229 <212> TYPE: DNA  
230 <213> ORGANISM: Artificial Sequence  
232 <220> FEATURE:  
233 <223> OTHER INFORMATION: Primer\_bind  
235 <400> SEQUENCE: 6  
236 ctccaacatg ccctatgcg 19  
238 <210> SEQ ID NO: 7  
239 <211> LENGTH: 21  
240 <212> TYPE: DNA  
241 <213> ORGANISM: Artificial Sequence  
243 <220> FEATURE:  
244 <223> OTHER INFORMATION: Primer\_bind  
246 <400> SEQUENCE: 7  
247 acgaagagca tcacaaggag g 21  
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250 <211> LENGTH: 30  
251 <212> TYPE: DNA  
252 <213> ORGANISM: Artificial Sequence  
254 <220> FEATURE:  
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257 <400> SEQUENCE: 8  
258 tgctctcc tcgggtctcc ttctaccc 30  
260 <210> SEQ ID NO: 9  
261 <211> LENGTH: 20  
262 <212> TYPE: DNA  
263 <213> ORGANISM: Artificial Sequence  
265 <220> FEATURE:  
266 <223> OTHER INFORMATION: Primer\_bind  
268 <400> SEQUENCE: 9  
269 ctccgctctg cgacactaca 20  
271 <210> SEQ ID NO: 10  
272 <211> LENGTH: 21  
273 <212> TYPE: DNA  

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274 <213> ORGANISM: Artificial Sequence  
276 <220> FEATURE:  
277 <223> OTHER INFORMATION: Primer\_bind  
279 <400> SEQUENCE: 10  
280 aatcagtgtc tcagggctgg a 21  
282 <210> SEQ ID NO: 11  
283 <211> LENGTH: 32  
284 <212> TYPE: DNA  
285 <213> ORGANISM: Artificial Sequence  
287 <220> FEATURE:  
288 <223> OTHER INFORMATION: Synthetic oligonucleotide probe  
290 <400> SEQUENCE: 11  
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293 <210> SEQ ID NO: 12  
294 <211> LENGTH: 20

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Input Set : A:\P1219P3.txt

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295 <212> TYPE: DNA  
296 <213> ORGANISM: Artificial Sequence  
298 <220> FEATURE:  
299 <223> OTHER INFORMATION: Primer\_bind  
301 <400> SEQUENCE: 12  
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304 <210> SEQ ID NO: 13  
305 <211> LENGTH: 19  
306 <212> TYPE: DNA  
307 <213> ORGANISM: Artificial Sequence  
309 <220> FEATURE:  
310 <223> OTHER INFORMATION: Primer\_bind  
312 <400> SEQUENCE: 13  
313 agcaggactc gtgcagcct 19  
315 <210> SEQ ID NO: 14  
316 <211> LENGTH: 23  
317 <212> TYPE: DNA  
318 <213> ORGANISM: Artificial Sequence  
320 <220> FEATURE:  
321 <223> OTHER INFORMATION: Synthetic Oligonucleotide probe  
323 <400> SEQUENCE: 14  
324 ttcgttctc cgcgtcgctg tgt 23  
326 <210> SEQ ID NO: 15  
327 <211> LENGTH: 20  
328 <212> TYPE: DNA  
329 <213> ORGANISM: Artificial Sequence  
331 <220> FEATURE:  
332 <223> OTHER INFORMATION: Primer\_bind  
334 <400> SEQUENCE: 15  
335 ggtgaagggtg taccccaacg 20  
337 <210> SEQ ID NO: 16  
338 <211> LENGTH: 20  
339 <212> TYPE: DNA  
340 <213> ORGANISM: Artificial Sequence  
342 <220> FEATURE:  
343 <223> OTHER INFORMATION: Primer\_bind  
345 <400> SEQUENCE: 16  
346 cttccagct ccctttgaa 20  
348 <210> SEQ ID NO: 17  
349 <211> LENGTH: 23  
350 <212> TYPE: DNA  
351 <213> ORGANISM: Artificial Sequence  
353 <220> FEATURE:  
354 <223> OTHER INFORMATION: Synthetic oligonucleotide probe  
356 <400> SEQUENCE: 17  
357 agaacgagtc ggcggaggcc ttt 23  
359 <210> SEQ ID NO: 18  
360 <211> LENGTH: 19  
361 <212> TYPE: DNA

VERIFICATION SUMMARY

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Input Set : A:\P1219P3.txt

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L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date